

# CITY OF LODI

## COUNCIL COMMUNICATION

**AGENDA TITLE:** Authorize Installation of Police Radio Infrastructure by Motorola, Inc. to Support New Radio Frequency Awarded by FCC

**DATE:** July 1, 1998

**PREPARED BY:** LARRY D. HANSEN, CHIEF OF POLICE

**RECOMMENDED ACTION:** That the City Council approve the release of funds (\$38,000) from the 1997-1998 budget for the purchase and installation of police radio infrastructure, by Motorola, Inc., to support a second repeated radio frequency.


**BACKGROUND INFORMATION:** Since January of 1996, the Lodi Police Department has been applying to Regional Frequency Coordination Agency (APCO), and the Federal Communications Commission (FCC) for approval of one to two additional repeated VHF radio frequencies. This is a very long and competitive process due to the limited number of frequencies that become available. The current VHF frequency spectrum is virtually at maximum carrying capacity and frequencies do not come available unless agencies relinquish their assigned frequencies. That situation occurred in 1997 when the Sacramento Police Department relinquished six frequencies to install an 800 MZ radio system.

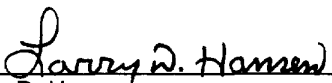
As the Lodi Police Department had been involved in the application process prior to the announcement of Sacramento's radio change, we were granted one of two frequencies we had requested. We were very fortunate to obtain any of the vacated frequencies, as several larger agencies were in the application process with needs similar to ours. The only alternative to obtaining an additional frequency would have been to completely change over to an 800 MZ system at a substantial cost.

We are requesting that due to the critical nature of integrating existing Motorola equipment with new repeater equipment, that Motorola, Inc., State and Local Government Division be used for the purchase. Motorola was involved in our recent Mobile Data Computer radio infrastructure installation, site engineering, and repeater coverage study. The new repeater will be required to operate through our existing combining scheme, and does require engineering support from Motorola, Inc. It would be inadvisable to have another vendor integrating with our existing equipment.

**FUNDING:** Funding was approved in the 1997-98 City Budget and is part of the Police Capitol Improvement Projects. The amount approved under new radio channel infrastructure was \$40,000.

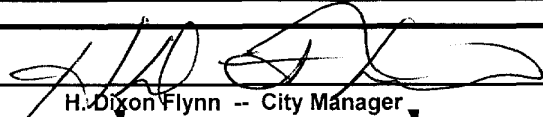
Approved by:

  
Vicky McAthie  
Finance Director

  
Larry D. Hansen  
Chief of Police

cc: City Attorney

APPROVED: \_\_\_\_\_

  
H. Dixon Flynn -- City Manager